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(54) Title: TFC SELECTION IN THE UPLINK

increasing
channel quality
requirement

TFCI=9	TFCI#10
TFCI=8	TFCI#9
TFCI=7	TFCI#8
TFCI=6	TFCI#7
TFCI=5	TFCI#6
TFCI=4	TFCI#5
TFCI=3	TFCI#4
TFCI=2	TFCI#3
TFCI=1	TFCI#2
TFCI=0	TFCI#1

TFCI signalled by the network indicating the available TFC of highest channel quality requirement

(57) Abstract: In mobile communications system comprising a network and at least one mobile station, a method for selecting a transport format combination TFC to be used for communication from the mobile station to the network, over a channel of variable quality. The method comprises the steps of: (in the network) calculating a channel quality requirement for the effective use of each transport format combination; indicating the transport format combinations and the channel quality requirements to the mobile station; calculating an existing quality of the channel; and indicating the existing quality of the channel to the mobile station. The method further comprises (in the mobile station), receiving the indication of existing channel quality; and selecting one of the transport format combinations having a channel quality requirement no greater than the existing channel quality.



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